Best Available Copy

SEQUENCE LISTING

GENERAL INFORMATION:

(i) APPLICANT: Andrew C. Hiatt, Floyd Rose

TITLE OF INVENTION: (ii)

ENZYME CATALYZED TEMPLATE-INDEPENDENT CREATION OF PHOSPHODIESTER BONDS USING PROTECTED NUCLEOTIDES

(iii) NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS: (iv)

> ADDRESSEE: (A)

Lyon & Lyon

(B) STREET: 633 West Fifth Street

Suite 4700

(C) CITY: Los Angeles

(D) STATE: California U.S.A.

COUNTRY: (E)

(T) ZIP:

91

(vi)

90071

COMPUTER READABLE FORM: (v)

> (A) MEDIUM TYPE:

3.5" Diskette, 1.44 Mb

storage

COMPUTER: (B)

IBM Compatible

OPERATING SYSTEM: (C)

IBM P.C. DOS 5.0 Word Perfect 5.1

(D) **SOFTWARE:**

CURRENT APPLICATION DATA:

APPLICATION NUMBER: (A)

08/300,484

(B) FILING DATE: September 1, 1994

(C) CLASSIFICATION:

PRIOR APPLICATION DATA: (vii)

> Prior applications total, including application

described below:

none

(viii) ATTORNEY/AGENT INFORMATION:

> (A) NAME:

Guise, Jeffrey W.

(B) REGISTRATION NUMBER: 34,613 207/145

(C) REFERENCE/DOCKET NUMBER:

(ix) TELECOMMUNICATION INFORMATION:

> (A) TELEPHONE:

(6.19) 552-8400

(B) TELEFAX: (619) 552-0159

TELEX: (C)

67-3510

	(2)	INFORMATI	ON FOR	:			
		(i)	SEQUENCE CHARACTERISTICS:				
			(A) (B) (C) (D)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	9 nucleic acid single linear		
		(ii)	SEQUE	NCE DESCRIPTION:	SEQ ID NO: 4:		
	cccc	cccc				9	
-	(2)	INFORMATI	ON FOR	SEQ ID NO: 5	:		
. <i></i> •	Mes.	(i)	SEQUENCE CHARACTERISTICS:				
	in the second	and the second	(A) (B) (C) (D)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	9 nucleic acid single linear		
		(ii)	SEQUE	NCE DESCRIPTION:	SEQ ID NO: 5:		
91	GGGGG	GGGG		and the second second		9	0
•	(2)	INFORMATIO	ON FOR	SEQ ID NO: 6	•		G
	(i) SEQUENCE CHARACTERISTICS:						
			(A) (B) (C) (D)		5 nucleic acid single linear		besi Avallubie
		(ii)	SEQUE	NCE DESCRIPTION:	SEQ ID NO: 6:		ā
•	CTGCA					5	
	(2)	(2) INFORMATION FOR SEQ ID NO: 7:					2
		(i)	SEQUENCE CHARACTERISTICS:				
			(A) (B) (C) (D)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	9 nucleic acid single linear		
	•	(ii)	SEQUEN	NCE DESCRIPTION:	SEQ ID NO: 7:		•
	CTGCA	TGCA				9	

(2) INFORMATION FOR SEQ ID NO:

> (i) SEQUENCE CHARACTERISTICS:

> > LENGTH: TYPE:

10

(A) (B)

nucleic acid

(c)

STRANDEDNESS:

single

(D) TOPOLOGY: linear

(ii) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

CTGCATGCAG

9

10

Best Available Copy